

A.3 MAXIMUM POWER SPECTRAL DENSITY

Test Date	2024/10/26~11/13	Temp./Hum.	24~25°C/57~60%
Cable Loss	4.47 dB	Tested By	Sam Chang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

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A.3.1 Power Spectral Density Result

With INPAQ Antenna

● OFDM Modulation

Mode 802.11ax- HE20	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
		Aux	Main				
U-NII Band 5	5955	-8.664	-9.712	N/A	1.80	-4.346	-1dBm/MHz
	6175	-9.032	-10.713		1.80	-4.981	
	6415	-8.352	-10.453		1.80	-4.466	
U-NII Band 6	6435	-8.477	-7.599	N/A	1.16	-3.846	
	6475	-8.444	-7.738		1.16	-3.906	
	6515	-8.238	-7.766		1.16	-3.825	
U-NII Band 7	6535	-8.247	-7.797	N/A	1.76	-3.246	
	6695	-8.718	-8.184		1.76	-3.672	
	6855	-8.180	-8.224		1.76	-3.432	
U-NII Band 8	6875	-8.388	-8.148	N/A	1.60	-3.656	
	6995	-8.646	-7.774		1.60	-3.578	
	7115	-17.333	-16.807		1.60	-12.452	
Mode 802.11ax- HE40	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
		Aux	Main				
U-NII Band 5	5965	-8.638	-9.785	N/A	1.80	-4.363	-1dBm/MHz
	6165	-8.922	-10.217		1.80	-4.711	
	6405	-8.770	-10.094		1.80	-4.571	
U-NII Band 6	6445	-8.599	-7.807	N/A	1.16	-4.015	
	6485	-8.640	-7.956		1.16	-4.114	
U-NII Band 7	6525	-8.285	-8.005	N/A	1.76	-3.372	
	6685	-8.977	-8.357		1.76	-3.886	
	6845	-8.613	-8.141		1.76	-3.600	
U-NII Band 8	6885	-8.645	-8.207	N/A	1.60	-3.810	
	7005	-8.756	-8.150		1.60	-3.832	
	7085	-9.277	-8.494		1.60	-4.258	
Mode 802.11ax- HE80	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
		Aux	Main				
U-NII Band 5	5985	-8.956	-9.688	N/A	1.80	-4.496	-1dBm/MHz
	6145	-9.260	-9.162		1.80	-4.400	
	6385	-9.062	-10.097		1.80	-4.738	
U-NII Band 6	6465	-9.003	-8.447	N/A	1.16	-4.546	
	6545	-8.743	-8.760		1.16	-4.581	
U-NII Band 7	6625	-8.705	-8.620	N/A	1.76	-3.892	
	6705	-8.951	-8.736		1.76	-4.072	
	6785	-9.025	-8.663		1.76	-4.070	
U-NII Band 8	6865	-9.059	-8.635	N/A	1.60	-4.232	
	6945	-9.250	-8.606		1.60	-4.306	
	7025	-9.618	-8.460		1.60	-4.390	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

5925~6425MHz: Directional gain = $10 \log[(10^{1.7/10} + 10^{1.9/10})/2] = 1.80$ dBi

6425~6525MHz: Directional gain = $10 \log[(10^{0.9/10} + 10^{1.4/10})/2] = 1.16$ dBi

6525~6875MHz: Directional gain = $10 \log[(10^{1.5/10} + 10^{2.0/10})/2] = 1.76$ dBi

6875~7125MHz: Directional gain = $10 \log[(10^{1.4/10} + 10^{1.8/10})/2] = 1.60$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

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Mode 802.11ax- HE160	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	6025	Aux	Main	N/A	1.80	-4.929	-1dBm/MHz
	6185	-9.496	-9.998		1.80	-4.398	
	6345	-9.404	-9.021		1.80	-4.471	
U-NII Band 6	6505	-9.336	-8.834	N/A	1.16	-4.907	
U-NII Band 7	6665	-9.012	-8.901	N/A	1.76	-4.186	
	6825	-8.670	-8.602		1.76	-3.866	
U-NII Band 8	6985	-9.099	-8.721	N/A	1.60	-4.296	
Mode 802.11be- EHT20	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	5955	Aux	Main	N/A	1.80	-4.323	-1dBm/MHz
	6175	-8.542	-9.818		1.80	-4.872	
	6415	-8.846	-10.720		1.80	-4.361	
U-NII Band 6	6435	-8.298	-10.265	N/A	1.16	-3.786	
	6475	-8.416	-7.540		1.16	-3.956	
	6515	-8.497	-7.785		1.16	-3.765	
U-NII Band 7	6535	-8.182	-7.701	N/A	1.76	-3.174	
	6695	-8.241	-7.666		1.76	-3.591	
	6855	-8.820	-7.946		1.76	-3.485	
U-NII Band 8	6875	-8.409	-8.106	N/A	1.60	-3.501	
	6995	-8.407	-7.835		1.60	-3.605	
	7115	-8.477	-7.969		1.60	-12.307	
U-NII Band 8	6875	-17.264	-16.596	N/A	1.60	-3.501	
	6995	-8.477	-7.969		1.60	-3.605	
	7115	-17.264	-16.596		1.60	-12.307	
Mode 802.11be- EHT40	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	5965	Aux	Main	N/A	1.80	-4.330	-1dBm/MHz
	6165	-8.573	-9.794		1.80	-4.887	
	6405	-9.089	-10.406		1.80	-4.589	
U-NII Band 6	6445	-8.721	-10.203	N/A	1.16	-4.120	
	6485	-8.672	-7.939		1.16	-4.112	
	6525	-8.757	-7.855		1.16	-4.112	
U-NII Band 7	6525	-8.427	-8.061	N/A	1.76	-3.470	
	6685	-8.474	-8.087		1.76	-3.724	
	6845	-8.970	-8.066		1.76	-3.543	
U-NII Band 8	6885	-8.490	-8.143	N/A	1.60	-3.666	
	7005	-8.873	-8.096		1.60	-3.857	
	7085	-9.263	-8.644		1.60	-4.332	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

5925~6425MHz: Directional gain = $10 \log[(10^{1.7/10} + 10^{1.9/10})/2] = 1.80$ dBi

6425~6525MHz: Directional gain = $10 \log[(10^{0.9/10} + 10^{1.4/10})/2] = 1.16$ dBi

6525~6875MHz: Directional gain = $10 \log[(10^{1.5/10} + 10^{2.0/10})/2] = 1.76$ dBi

6875~7125MHz: Directional gain = $10 \log[(10^{1.4/10} + 10^{1.8/10})/2] = 1.60$ dBi

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Mode 802.11be- EHT80	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	5985	Aux	Main	N/A	1.80	-4.401	-1dBm/MHz
	6145	-9.477	-8.913		1.80	-4.376	
	6385	-9.167	-10.300		1.80	-4.886	
U-NII Band 6	6465	-8.984	-8.119	N/A	1.16	-4.360	
	6545	-8.903	-8.468		1.16	-4.510	
U-NII Band 7	6625	-8.738	-8.547	N/A	1.76	-3.871	
	6705	-9.274	-8.826		1.76	-4.274	
	6785	-8.864	-8.665		1.76	-3.993	
U-NII Band 8	6865	-9.143	-8.472	N/A	1.60	-4.184	
	6945	-9.323	-8.994		1.60	-4.545	
	7025	-9.485	-8.978		1.60	-4.614	
Mode 802.11be- EHT160	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	6025	Aux	Main	N/A	1.80	-4.954	-1dBm/MHz
	6185	-9.537	-9.343		1.80	-4.629	
	6345	-9.235	-9.385		1.80	-4.499	
U-NII Band 6	6505	-9.388	-9.001	N/A	1.16	-5.020	
U-NII Band 7	6665	-9.021	-8.703	N/A	1.76	-4.089	
	6825	-9.122	-8.922		1.76	-4.251	
U-NII Band 8	6985	-9.227	-8.882	N/A	1.60	-4.441	
Mode 802.11be- EHT320	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	6105	-9.021	-9.793	N/A	1.80	-4.580	-1dBm/MHz
	6265	-9.133	-10.001		1.80	-4.735	
	6425	-8.805	-9.947		1.80	-4.528	
U-NII Band 6	6585	-8.901	-8.631	N/A	1.16	-4.594	
U-NII Band 7	6745	-8.847	-8.711	N/A	1.76	-4.008	
U-NII Band 8	6905	-10.207	-9.587	N/A	1.60	-5.276	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

5925~6425MHz: Directional gain = $10 \log[(10^{1.7/10} + 10^{1.9/10})/2] = 1.80$ dBi

6425~6525MHz: Directional gain = $10 \log[(10^{0.9/10} + 10^{1.4/10})/2] = 1.16$ dBi

6525~6875MHz: Directional gain = $10 \log[(10^{1.5/10} + 10^{2.0/10})/2] = 1.76$ dBi

6875~7125MHz: Directional gain = $10 \log[(10^{1.4/10} + 10^{1.8/10})/2] = 1.60$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

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With INPAQ Antenna

● OFDMA Modulation

Tones	RU Index	Modulation Type	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) Note 6	Total Power Spectral Density (dBm/1MHz) (EIRP) Note 4	Limit
					Aux	Main				
26	18	802.11ax-HE80	7	6625	-11.910	-11.350	N/A	1.76	-6.851	-1dBm/MHz
52	52	802.11ax-HE160	7	6665	-13.500	-12.190	N/A	1.76	-8.025	-1dBm/MHz
106	53	802.11ax-HE160	7	6825	-10.800	-12.900	N/A	1.76	-6.954	-1dBm/MHz
242	62	802.11ax-HE160	7	6665	-11.150	-12.100	N/A	1.76	-6.829	-1dBm/MHz
484	66	802.11ax-HE80	7	6625	-11.500	-11.590	N/A	1.76	-6.774	-1dBm/MHz
996	67	802.11ax-HE160	7	6665	-11.510	-11.460	N/A	1.76	-6.715	-1dBm/MHz
26	19	802.11be-EHT80	7	6625	-11.630	-11.250	N/A	1.76	-6.666	-1dBm/MHz
52	44	802.11be-EHT160	7	6665	-10.880	-11.580	N/A	1.76	-6.446	-1dBm/MHz
106	56	802.11be-EHT80	7	6625	-11.110	-12.050	N/A	1.76	-6.784	-1dBm/MHz
242	64	802.11be-EHT320	7	6745	-10.860	-11.580	N/A	1.76	-6.435	-1dBm/MHz
484	66	802.11be-EHT80	7	6625	-10.750	-11.480	N/A	1.76	-6.329	-1dBm/MHz
996	67	802.11be-EHT160	7	6665	-10.700	-10.450	N/A	1.76	-5.803	-1dBm/MHz
996x2	S68	802.11be-EHT320	7	6745	-10.920	-10.740	N/A	1.76	-6.059	-1dBm/MHz
26+52	70	802.11be-EHT20	7	6695	-11.310	-12.120	N/A	1.76	-6.926	-1dBm/MHz
26+52	70	802.11be-EHT40	7	6685	-11.170	-11.490	N/A	1.76	-6.557	-1dBm/MHz
26+106	82	802.11be-EHT20	7	6695	-11.320	-12.530	N/A	1.76	-7.113	-1dBm/MHz
26+106	82	802.11be-EHT40	7	6685	-11.030	-11.680	N/A	1.76	-6.573	-1dBm/MHz
484+242	93	802.11be-EHT80	7	6625	-10.690	-10.640	N/A	1.76	-5.895	-1dBm/MHz
996+484	S94	802.11be-EHT160	5	6345	-13.450	-13.630	N/A	1.80	-8.729	-1dBm/MHz
996+484+242	S96	802.11be-EHT160	5	6345	-12.740	-13.400	N/A	1.80	-8.247	-1dBm/MHz
996x2+484	102	802.11be-EHT320	7	6745	-10.240	-10.710	N/A	1.76	-5.698	-1dBm/MHz
996x3	104	802.11be-EHT320	5	6425	-12.550	-13.570	N/A	1.80	-8.220	-1dBm/MHz
996x3+484	S106	802.11be-EHT320	5	6265	-13.410	-13.460	N/A	1.80	-8.625	-1dBm/MHz

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

5925~6425MHz: Directional gain = $10 \log[(10^{1.7/10} + 10^{1.9/10})/2]$ = 1.80dBi

6425~6525MHz: Directional gain = $10 \log[(10^{0.9/10} + 10^{1.4/10})/2]$ = 1.16dBi

6525~6875MHz: Directional gain = $10 \log[(10^{1.5/10} + 10^{2.0/10})/2]$ = 1.76dBi

6875~7125MHz: Directional gain = $10 \log[(10^{1.4/10} + 10^{1.8/10})/2]$ = 1.60dBi

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With LUXSHARE-ICT Antenna

● OFDM Modulation

Mode 802.11ax- HE20	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
		Aux	Main				
U-NII Band 5	5955	-8.664	-9.712	N/A	4.61	-1.536	-1dBm/MHz
	6175	-9.032	-10.713		4.61	-2.171	
	6415	-8.352	-10.453		4.61	-1.656	
U-NII Band 6	6435	-8.477	-7.599	N/A	2.36	-2.646	
	6475	-8.444	-7.738		2.36	-2.706	
	6515	-8.238	-7.766		2.36	-2.625	
U-NII Band 7	6535	-8.247	-7.797	N/A	2.44	-2.566	
	6695	-8.718	-8.184		2.44	-2.992	
	6855	-8.180	-8.224		2.44	-2.752	
U-NII Band 8	6875	-8.388	-8.148	N/A	2.51	-2.746	
	6995	-8.646	-7.774		2.51	-2.668	
	7115	-17.333	-16.807		2.51	-11.542	
Mode 802.11ax- HE40	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
		Aux	Main				
U-NII Band 5	5965	-8.638	-9.785	N/A	4.61	-1.553	-1dBm/MHz
	6165	-8.922	-10.217		4.61	-1.901	
	6405	-8.770	-10.094		4.61	-1.761	
U-NII Band 6	6445	-8.599	-7.807	N/A	2.36	-2.815	
	6485	-8.640	-7.956		2.36	-2.914	
U-NII Band 7	6525	-8.285	-8.005	N/A	2.44	-2.692	
	6685	-8.977	-8.357		2.44	-3.206	
	6845	-8.613	-8.141		2.44	-2.920	
U-NII Band 8	6885	-8.645	-8.207	N/A	2.51	-2.900	
	7005	-8.756	-8.150		2.51	-2.922	
	7085	-9.277	-8.494		2.51	-3.348	
Mode 802.11ax- HE80	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
		Aux	Main				
U-NII Band 5	5985	-8.956	-9.688	N/A	4.61	-1.686	-1dBm/MHz
	6145	-9.260	-9.162		4.61	-1.590	
	6385	-9.062	-10.097		4.61	-1.928	
U-NII Band 6	6465	-9.003	-8.447	N/A	2.36	-3.346	
	6545	-8.743	-8.760		2.36	-3.381	
U-NII Band 7	6625	-8.705	-8.620	N/A	2.44	-3.212	
	6705	-8.951	-8.736		2.44	-3.392	
	6785	-9.025	-8.663		2.44	-3.390	
U-NII Band 8	6865	-9.059	-8.635	N/A	2.51	-3.322	
	6945	-9.250	-8.606		2.51	-3.396	
	7025	-9.618	-8.460		2.51	-3.480	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

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6425~6525MHz: Directional gain = $10 \log[(10^{1.6/10} + 10^{3.0/10})/2] = 2.36$ dBi

6525~6825MHz: Directional gain = $10 \log[(10^{1.8/10} + 10^{3.0/10})/2] = 2.44$ dBi

6875~7125MHz: Directional gain = $10 \log[(10^{2.8/10} + 10^{2.2/10})/2] = 2.51$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

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Mode 802.11ax- HE160	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	6025	Aux	Main	N/A	4.61	-2.119	-1dBm/MHz
	6185	-9.496	-9.998		4.61	-1.588	
	6345	-9.404	-9.021		4.61	-1.661	
U-NII Band 6	6505	-9.336	-8.834	N/A	2.36	-3.707	
U-NII Band 7	6665	-9.012	-8.901	N/A	2.44	-3.506	
	6825	-8.670	-8.602		2.44	-3.186	
U-NII Band 8	6985	-9.099	-8.721	N/A	2.51	-3.386	
Mode 802.11be- EHT20	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	5955	Aux	Main	N/A	4.61	-1.513	-1dBm/MHz
	6175	-8.542	-9.818		4.61	-2.062	
	6415	-8.846	-10.720		4.61	-1.551	
U-NII Band 6	6435	-8.298	-10.265	N/A	2.36	-2.586	
	6475	-8.416	-7.540		2.36	-2.756	
	6515	-8.497	-7.785		2.36	-2.565	
U-NII Band 7	6535	-8.182	-7.701	N/A	2.44	-2.494	
	6695	-8.241	-7.666		2.44	-2.911	
	6855	-8.820	-7.946		2.44	-2.805	
U-NII Band 8	6875	-8.407	-8.106	N/A	2.51	-2.591	
	6995	-8.407	-7.835		2.51	-2.695	
	7115	-8.477	-7.969		2.51	-11.397	
U-NII Band 8	6875	-17.264	-16.596	N/A	2.51	-2.591	
	6995	-8.477	-7.969		2.51	-2.695	
	7115	-17.264	-16.596		2.51	-11.397	
Mode 802.11be- EHT40	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	5965	Aux	Main	N/A	4.61	-1.520	-1dBm/MHz
	6165	-8.573	-9.794		4.61	-2.077	
	6405	-9.089	-10.406		4.61	-1.779	
U-NII Band 6	6445	-8.721	-10.203	N/A	2.36	-2.920	
	6485	-8.672	-7.939		2.36	-2.912	
	6525	-8.757	-7.855		2.36	-2.912	
U-NII Band 7	6525	-8.427	-8.061	N/A	2.44	-2.790	
	6685	-8.474	-8.087		2.44	-3.044	
	6845	-8.970	-8.066		2.44	-2.863	
U-NII Band 8	6885	-8.490	-8.143	N/A	2.51	-2.756	
	7005	-8.873	-8.096		2.51	-2.947	
	7085	-8.474	-8.087		2.51	-2.756	
U-NII Band 8	7005	-8.873	-8.096	N/A	2.51	-2.947	
	7085	-8.474	-8.087		2.51	-2.756	
	7085	-9.263	-8.644		2.51	-3.422	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.

3. According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

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6825~7125MHz: Directional gain = $10 \log[(10^{2.8/10} + 10^{2.2/10})/2] = 2.51$ dBi

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Mode 802.11be- EHT80	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	5985	-8.821	-9.641	N/A	4.61	-1.591	-1dBm/MHz
	6145	-9.477	-8.913		4.61	-1.566	
	6385	-9.167	-10.300		4.61	-2.076	
U-NII Band 6	6465	-8.984	-8.119	N/A	2.36	-3.160	
	6545	-8.903	-8.468		2.36	-3.310	
U-NII Band 7	6625	-8.738	-8.547	N/A	2.44	-3.191	
	6705	-9.274	-8.826		2.44	-3.594	
	6785	-8.864	-8.665		2.44	-3.313	
U-NII Band 8	6865	-9.143	-8.472	N/A	2.51	-3.274	
	6945	-9.323	-8.994		2.51	-3.635	
	7025	-9.485	-8.978		2.51	-3.704	
Mode 802.11be- EHT160	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	6025	-9.512	-10.033	N/A	4.61	-2.144	-1dBm/MHz
	6185	-9.537	-9.343		4.61	-1.819	
	6345	-9.235	-9.385		4.61	-1.689	
U-NII Band 6	6505	-9.388	-9.001	N/A	2.36	-3.820	
U-NII Band 7	6665	-9.021	-8.703	N/A	2.44	-3.409	
	6825	-9.122	-8.922		2.44	-3.571	
U-NII Band 8	6985	-9.227	-8.882	N/A	2.51	-3.531	
Mode 802.11be- EHT320	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) ^{Note 2}	Total Power Spectral Density (dBm/1MHz)(EIRP) ^{Note 2}	Limit
U-NII Band 5	6105	-9.021	-9.793	N/A	4.61	-1.770	-1dBm/MHz
	6265	-9.133	-10.001		4.61	-1.925	
	6425	-8.805	-9.947		4.61	-1.718	
U-NII Band 6	6585	-8.901	-8.631	N/A	2.36	-3.394	
U-NII Band 7	6745	-8.847	-8.711	N/A	2.44	-3.328	
U-NII Band 8	6905	-10.207	-9.587	N/A	2.51	-4.366	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.

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With LUXSHARE-ICT Antenna

● OFDMA Modulation

Tones	RU Index	Modulation Type	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)		Duty Cycle Factor 10log(1/X)	Directional Gain (dBi) Note 6	Total Power Spectral Density (dBm/1MHz) (EIRP) Note 4	Limit
					Aux	Main				
26	18	802.11ax-HE80	5	5985	-11.680	-12.100	N/A	4.61	-4.265	-1dBm/MHz
52	S37	802.11ax-HE160	5	6025	-13.930	-14.720	N/A	4.61	-6.687	-1dBm/MHz
106	S53	802.11ax-HE160	5	6025	-14.620	-14.800	N/A	4.61	-7.089	-1dBm/MHz
242	62	802.11ax-HE80	5	5985	-12.830	-12.840	N/A	4.61	-5.215	-1dBm/MHz
484	66	802.11ax-HE80	5	5985	-12.500	-13.210	N/A	4.61	-5.220	-1dBm/MHz
996	67	802.11ax-HE80	5	6385	-12.930	-13.370	N/A	4.61	-5.524	-1dBm/MHz
26	W36	802.11be-EHT320	5	6425	-14.040	-13.720	N/A	4.61	-6.257	-1dBm/MHz
52	S37	802.11be-EHT160	5	6025	-13.020	-12.980	N/A	4.61	-5.380	-1dBm/MHz
106	W60	802.11be-EHT80	5	6425	-13.270	-13.620	N/A	4.61	-5.821	-1dBm/MHz
242	W62	802.11be-EHT320	5	6425	-13.890	-13.380	N/A	4.61	-6.007	-1dBm/MHz
484	65	802.11be-EHT40	5	5965	-12.820	-12.580	N/A	4.61	-5.078	-1dBm/MHz
996	67	802.11be-EHT80	5	5985	-12.640	-13.190	N/A	4.61	-5.286	-1dBm/MHz
996x2	S68	802.11be-EHT320	5	6105	-13.430	-12.510	N/A	4.61	-5.325	-1dBm/MHz
26+52	72	802.11be-EHT20	5	5955	-13.250	-13.320	N/A	4.61	-5.665	-1dBm/MHz
26+52	75	802.11be-EHT40	5	5965	-12.640	-13.490	N/A	4.61	-5.424	-1dBm/MHz
26+106	83	802.11be-EHT20	5	5955	-13.000	-13.280	N/A	4.61	-5.517	-1dBm/MHz
26+106	82	802.11be-EHT40	5	5965	-12.840	-12.790	N/A	4.61	-5.195	-1dBm/MHz
484+242	93	802.11be-EHT80	5	5985	-12.250	-13.140	N/A	4.61	-5.052	-1dBm/MHz
996+484	S94	802.11be-EHT160	5	6345	-13.450	-13.630	N/A	4.61	-5.919	-1dBm/MHz
996+484+242	S96	802.11be-EHT160	5	6345	-12.740	-13.400	N/A	4.61	-5.437	-1dBm/MHz
996x2+484	W103	802.11be-EHT320	5	6265	-12.230	-12.950	N/A	4.61	-4.955	-1dBm/MHz
996x3	104	802.11be-EHT320	5	6425	-12.550	-13.570	N/A	4.61	-5.410	-1dBm/MHz
996x3+484	S106	802.11be-EHT320	5	6265	-13.410	-13.460	N/A	4.61	-5.815	-1dBm/MHz

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

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